

DERWENT-ACC-NO: 1994-149620

DERWENT-WEEK: 199418

COPYRIGHT 2005 DERWENT INFORMATION LTD

TITLE: Radio component heat sink for cooling radio components -
has sleeve with external cylindrical surface
and spherical concave surface

INVENTOR: ABRAMOV, A L; BOGDANOV V YU, ; VOLKOV, A G

PATENT-ASSIGNEE: CHISTOPOL VEKTOR CONSTR TECHN BUR[CHISR]

PRIORITY-DATA: 1991SU-4914987 (February 28, 1991)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES MAIN-IPC		
SU 1798945 A1	February 28, 1993	N/A
003 H05K 007/20		

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
SU 1798945A1	N/A	1991SU-4914987
February 28, 1991		

INT-CL (IPC): H01L023/34, H05K007/20

ABSTRACTED-PUB-NO: SU 1798945A ✓

BASIC-ABSTRACT:

Device comprises heat conducting immovable and movable contacts (1,2), spring (3), sleeve (4) and heat conducting lubrication (5). The contact (1) is rigidly fixed at the unit (6) heat removal body which can be ribbed in order to improve the heat transfer. The contact (2) plate is pressed to the radioelectronic unit (7) plate by the spring (3). The sleeve (4) forms with the contact (2) a spherical hinge and with the contact (1)-cylinder-piston pair. The heat removing lubrication (5) is placed in the clearances

between
the components (2,4) and (4,1) cylindrical and spherical convex and
concave
surfaces.

The heat released in the radioelectronic unit (7) is passed through
the thermal
circuit-contact (2)-sleeve (4)-contact (1)-unit (6) body to the
atmosphere.

The device thermal resistance between the contact (2) and the contact
(1) is
determined by the thermal resistance of the clearances between the
spherical
and cylindrical surfaces of components (1,4) and (4,2).

ADVANTAGE - Eliminates overloading and improves reliability.

Bul. 8/28.2.93

CHOSEN-DRAWING: Dwg.1/1

TITLE-TERMS: RADIO COMPONENT HEAT SINK COOLING RADIO COMPONENT SLEEVE
EXTERNAL

CYLINDER SURFACE SPHERE CONCAVE SURFACE

DERWENT-CLASS: U11 V04

EPI-CODES: U11-D02B1; V04-T03;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1994-117409

